



FIG. 1B

## 200 WEB RESOURCE FOR NETWORK MANAGEMENT 210 DEFINE COMMON, SERVER-SIDE NETWORK MANAGEMENT FUNCTIONS USING PLATFORM-DEPENDENT SCRIPTING LANGUAGE AND STANDARD BINARY INTERFACE 230 INITIALIZE PAGE 246 DEFINE OPTIONAL CLIENT-SIDE SCRIPT INCLUDING VERIFY FUNCTION FOR USE WHEN SUBMIT BUTTON IS PRESSED 202 204 250 PROCESS REQUEST FROM CLIENT 260 PERFORM COMMON NETWORK MANAGEMENT TASKS USING ONE OR MORE COMMON, SERVER-SIDE NETWORK MANAGEMENT FUNCTIONS 280 GENERATE APPLICATION-SPECIFIC NETWORK MANAGEMENT GUI, SUCH AS HTML FORM STATEMENTS, AT LEAST IN PART DYNAMICALLY BASED ON SCRIPTING LANGUAGE STATEMENTS, AND USING OPTIONAL CLIENT-SIDE SCRIPT 290 SEND APPLICATION-SPECIFIC NETWORK MANAGEMENT GUI TO CLIENT IN RESPONSE TO REQUEST

FIG. 2A

212

GENERATE PLATFORM-DEPENDENT BINARY MODULES, SUCH AS DYNAMIC LINK LIBRARY (DLL) FILES, TO SET AND GET ATTRIBUTES OF OBJECTS ASSOCIATED WITH NETWORK DEVICES

214

REGISTER BINARY MODULES WITH PLATFORM-DEPENDENT STANDARD BINARY INTERFACE, SUCH AS COMPONENT OBJECT MODEL (COM) INTERFACE

216

## **GENERATE**

PLATFORM-DEPENDENT SCRIPTING LANGUAGE STATEMENTS,
SUCH AS ACTIVE SERVER PAGE (ASP) STATEMENTS,
TO DEFINE COMMON VARIABLES AND
TO DEFINE FUNCTIONS THAT PASS DATA BETWEEN
THE COMMON VARIABLES AND THE BINARY MODULES
THROUGH THE STANDARD BINARY INTERFACE

217

STORE IN ONE OR MORE INCLUDE FILES, PLATFORM-DEPENDENT SCRIPTING LANGUAGE STATEMENTS,

210a

218

STORE ONE OR MORE REFERENCES
CORRESPONDING TO THE INCLUDE FILES
IN THE HEADER OF THE WEB RESOURCE
FOR NETWORK MANAGEMENT

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FIG. 2C

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## ASSEMBLE DLLs FOR DEVICE-CENTRIC METHODS AND REGISTER WITH COM INTERFACE

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ASSEMBLE A TEMPLATE AND INCLUDE FILES IN ASP WITH COM CALLS,
STANDARD NETWORK MANAGEMENT METHODS,
PAGE LEVEL VARIABLE DEFINITIONS, AND
A CODE BLOCK WHERE APPLICATION SPECIFIC GUI
IS TO BE INSERTED

330

PRESENT TEMPLATE TO DEVELOPER
FOR GENERATING AND INSERTING
APPLICATION SPECIFIC GUI
INTO CODE BLOCK TO PRODUCE WEB RESOURCE

340

STORE RESULTING WEB RESOURCE ON PLATFORM
ON CONTROL NETWORK
FOR USE BY A WEB SERVER IN RESPONSE TO A REQUEST
FROM A WEB BASED CLIENT PROCESS
ON THE CONTROL NETWORK

FIG. 4

